

SEQUENCE LISTING

<110> Khoja, Hamiduddin

Shyamala, Venkatakrishtna

<120> Isolated VSHK-1 Receptor Polypeptides
and Methods of Use Thereof

<130> 2300-1544

<150> 60/107,112

<151> 1998-11-04

<150> 60/114,856

<151> 1999-01-06

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1958

<212> DNA

<213> Homo sapiens

<400> 1

aaaagtagct	ggagttaggt	catttgattt	tatactctgt	actcaagact	gctcctctct	60
gccgactaca	acagattgga	gccatggctt	tggagcagaa	ccagtcaaca	gattattatt	120
atgaggaaaa	tgaaatgaat	ggcacttatg	actacagtca	atatgaactg	atctgtatca	180
aagaagatgt	cagagaattt	gcaaaaagtt	tctcctctgt	attcctcaca	atagttttcg	240
tcattggact	tgcaggcaat	tccatggtag	tggcaattta	tgcctattac	aagaaacaga	300
gaacccaaaac	agatgtgtac	atcctgaatt	tggctgtagc	agatttactc	cttctattca	360
ctctgccttt	ttgggctggt	aatgcagttc	atgggtgggt	tttagggaaa	ataatgtgca	420
aaataacttc	agccttgtag	acactaaact	ttgtctctgg	aatgcagttt	ctggcttgta	480
tcagcataga	cagatatgtg	gcagtaacta	aagtcctcag	ccaatcagga	gtgggaaaac	540
catgctggat	catctgtttc	tgtgtctgga	tggctgccat	cttgctgagc	ataccccgagc	600
tggtttttta	tacagtaaat	gacaatgcta	ggtgcattcc	cattttcccc	cgctacctag	660
gaacatcaat	gaaagcattg	attcaaatgc	tagagatctg	cattggattt	gtagtaccct	720
ttcttattat	gggggtgtgc	tactttatca	cagcaaggac	actcatgaag	atgccaaaca	780
ttaaaatata	tcgaccctta	aaagttctgc	tcacagtcgt	tatagttttc	attgtcactc	840
aactgcctta	taacattgtc	aagttctgcc	gagccataga	catcatctac	tccctgatca	900
ccagctgcaa	catgagcaaa	cgcattggaca	tcgccatcca	agtcacagaa	agcatcgcac	960
tctttcacag	ctgcctcaac	ccaatccttt	atgtttttat	gggagcatct	ttcaaaaact	1020
acgttatgaa	agtggccaag	aaatatgggt	cctggagaag	acagagacaa	agtgtggagg	1080
agtttccttt	tgattctgag	ggctctacag	agccaaccag	tacttttagc	atttaaagggt	1140
aaaactgctc	tgctttttgc	ttggatacat	atgaatgatg	ctttcccttc	aaataaaaca	1200
tctgcattat	tctgaaactc	aaatctcaga	cgccgtgggt	gcaacttata	ataaagaatg	1260
ggttggggga	agggggagaa	ataaaagcca	agaagaggaa	acaagataat	aaatgtacaa	1320
aacatgaaaa	ttaaaatgaa	caatatagga	aaataattgt	aacaggcata	agtgaataac	1380

actctgctgt	aacgaagaag	agctttgtgg	tgataatttt	gtatcttggt	tgcagtgggtg	1440
cttatacaaa	tctacacaag	tgataaaatg	acacagaact	atatacacac	attgtaccaa	1500
tttcaatttc	ctggttttga	cattatagta	taattatgta	agatggaacc	attggggaaa	1560
actgggtgaa	gggtacccag	gaccactctg	taccatcttt	gtaacttcct	gtgaatttat	1620
aataatttca	aaataaaaaca	agttaaaaaa	aaaccacta	tgctataagt	taggcatct	1680
aaaacagatt	attaaagagg	ttcatgttaa	aaggcattta	taattatttt	taattatcta	1740
agttttaata	caagaacgat	ttccctgcat	aatttttagta	cttgaataag	tatgcagcag	1800
aactccaact	atcttttttc	ctgttttttt	taaatttgta	agtaatttta	taaaatccac	1860
ctcctccaaa	aaagcaataa	aaaaaaaaaca	aactataaaa	aaaaaaaaaa	aaaaaaaaaa	1920
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaa			1958

<210> 2

<211> 350

<212> PRT

<213> Homo sapiens

<400> 2

Met	Ala	Leu	Glu	Gln	Asn	Gln	Ser	Thr	Asp	Tyr	Tyr	Tyr	Glu	Glu	Asn
1			5						10				15		
Glu	Met	Asn	Gly	Thr	Tyr	Asp	Tyr	Ser	Gln	Tyr	Glu	Leu	Ile	Cys	Ile
		20						25				30			
Lys	Glu	Asp	Val	Arg	Glu	Phe	Ala	Lys	Val	Phe	Leu	Pro	Val	Phe	Leu
		35					40				45				
Thr	Ile	Val	Phe	Val	Ile	Gly	Leu	Ala	Gly	Asn	Ser	Met	Val	Val	Ala
	50				55					60					
Ile	Tyr	Ala	Tyr	Tyr	Lys	Lys	Gln	Arg	Thr	Lys	Thr	Asp	Val	Tyr	Ile
65				70					75				80		
Leu	Asn	Leu	Ala	Val	Ala	Asp	Leu	Leu	Leu	Phe	Thr	Leu	Pro	Phe	
			85					90				95			
Trp	Ala	Val	Asn	Ala	Val	His	Gly	Trp	Val	Leu	Gly	Lys	Ile	Met	Cys
		100					105					110			
Lys	Ile	Thr	Ser	Ala	Leu	Tyr	Thr	Leu	Asn	Phe	Val	Ser	Gly	Met	Gln
	115						120				125				
Phe	Leu	Ala	Cys	Ile	Ser	Ile	Asp	Arg	Tyr	Val	Ala	Val	Thr	Lys	Val
	130					135				140					
Pro	Ser	Gln	Ser	Gly	Val	Gly	Lys	Pro	Cys	Trp	Ile	Ile	Cys	Phe	Cys
145				150					155				160		
Val	Trp	Met	Ala	Ala	Ile	Leu	Leu	Ser	Ile	Pro	Gln	Leu	Val	Phe	Tyr
			165					170				175			
Thr	Val	Asn	Asp	Asn	Ala	Arg	Cys	Ile	Pro	Ile	Phe	Pro	Arg	Tyr	Leu
		180					185					190			
Gly	Thr	Ser	Met	Lys	Ala	Leu	Ile	Gln	Met	Leu	Glu	Ile	Cys	Ile	Gly
	195					200					205				
Phe	Val	Val	Pro	Phe	Leu	Ile	Met	Gly	Val	Cys	Tyr	Phe	Ile	Thr	Ala
	210					215				220					
Arg	Thr	Leu	Met	Lys	Met	Pro	Asn	Ile	Lys	Ile	Ser	Arg	Pro	Leu	Lys
225				230					235				240		
Val	Leu	Leu	Thr	Val	Val	Ile	Val	Phe	Ile	Val	Thr	Gln	Leu	Pro	Tyr
			245					250				255			
Asn	Ile	Val	Lys	Phe	Cys	Arg	Ala	Ile	Asp	Ile	Ile	Tyr	Ser	Leu	Ile
		260					265					270			

Thr Ser Cys Asn Met Ser Lys Arg Met Asp Ile Ala Ile Gln Val Thr
 275 280 285
 Glu Ser Ile Ala Leu Phe His Ser Cys Leu Asn Pro Ile Leu Tyr Val
 290 295 300
 Phe Met Gly Ala Ser Phe Lys Asn Tyr Val Met Lys Val Ala Lys Lys
 305 310 315 320
 Tyr Gly Ser Trp Arg Arg Gln Arg Gln Ser Val Glu Glu Phe Pro Phe
 325 330 335
 Asp Ser Glu Gly Pro Thr Glu Pro Thr Ser Thr Phe Ser Ile
 340 345 350

<210> 3
 <211> 23
 <212> DNA
 <213> Homo sapiens

<400> 3
 actaccaaca ggttggtact tta 23

<210> 4
 <211> 22
 <212> DNA
 <213> Homo sapiens

<400> 4
 ctttgccatc tagagtggag cc 22

<210> 5
 <211> 82
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> misc_feature
 <222> (1)...(82)
 <223> n = A,T,C or G

 <223> encodes synthetic peptide

<400> 5
 ctttctattc tcactccgct gaannsnnsn nsnnnsnnnn snnsnnsnns nnsnnsnnsn 60
 nsnnscggcc tccacctcca cc 82

<210> 6
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> misc_feature
 <222> (1)...(93).

<223> n = inosine

<223> encodes synthetic peptide

<400> 6
ggccggtgga ggtggaggcg gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnttca gcggagtga aatagaaagg tac 93

<210> 7
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 7
gctgcccag agatctgtat atatgagtaa acttgg 36

<210> 8
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 8
gcaggctcgg gaattcggga aatgtgcgcg gaaccc 36

<210> 9
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> mutagenic oligonucleotides

<400> 9
aaacttcctc atgaaaaagt c 21

<210> 10
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> mutagenic oligonucleotides

<400> 10
agaatagaaa ggtaccacta aagga 25

<210> 11	
<211> 39	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> mutagenic oligonucleotides	
<400> 11	
tttagtggtgta cctttctatt ctcactcggc cgaaactgt	39
<210> 12	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> mutagenic oligonucleotides	
<400> 12	
aaagcgcagt ctctgaattt accg	24
<210> 13	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> primers	
<400> 13	
tcgaaagcaa gctgataaac cg	22
<210> 14	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> primers	
<400> 14	
acagacagcc ctcatagtta gcg	23